IN THE SPECIFICATION:

The specification as amended below with replacement paragraphs shows added text with underlining and deleted text with ~~strikethrough~~.

Please REPLACE the paragraph beginning at page 5, line 5, with the following paragraph:

[00011]   Also, in the signal separation algorithm based on overcomplete representations as proposed by Lewicki et al., there is a problem that it is difficult to deal with the signal (temporally and spatially mixed signal) into which the source signal is mixed with a time delay, although the independent signals can be obtained beyond the number of mixture signals. The reason ~~of~~ for this is as follows.